

REMARKS

Claims 1-21 and 31-44 are currently pending in this application and have been rejected in the current Office action. Applicant requests reconsideration and reexamination of the application in view of the following remarks.

Claim Rejections Under 35 U.S.C. §102

Claims 1-2, 5-7, 9-14, 16-21, 31-32, 34-39, and 42 were rejected under 35 U.S.C. §102(b) as being anticipated by the Annual Book of ASTM Standards. Applicant respectfully traverses this rejection.

Claim 1 was previously amended to recite that the calorimeter controller controls the time interval between emitting a radiation dose and measuring the temperature of the calorimeter. Applicant respectfully submits that the non-patent literature does not disclose a "calorimeter controller" that controls the time interval between emitting a radiation dose and measuring the temperature of the calorimeter. It is therefore asserted that independent claim 1 and those claims depending there from are allowable over the cited reference.

Claims 5, 11 and 42 recite a method comprising repeating the steps of "measuring an initial calorimeter temperature," "irradiating the calorimeter with a dose of radiation" and "measuring a subsequent calorimeter temperature" at an interval determined by the calorimeter controller. These limitations are not disclosed in the non-patent literature, and therefore, independent claims 5, 11 and 42, along with the claims depending from these independent claims are allowable over the cited reference.

Claims 6 and 31 were previously amended to recite that the "calorimeter controller [is] configured to perform" a dosimetry control method that comprises providing "a dose of radiation and measuring the temperature of the calorimeter at an interval determined by the calorimeter controller based on the dose of radiation provided." Applicant respectfully submits that the non-patent literature does not disclose this limitation, and therefore claims 6 and 31 along with the claims depending there from are allowable over the cited reference.

Claim Rejections Under 35 U.S.C. §103

Claims 3-4, 41, 43-44 were rejected under 35 U.S.C. §103(a) as being unpatentable over the Annual Book of ASTM Standards in view of Gschneidner, Jr. et al. (U.S. 5,806,979). Applicant respectfully traverses this rejection.

Claims 3 and 4 depend from claim 1 and are patentable over the non-patent literature and Gschneidner, Jr. because neither reference discloses a controller that controls the time interval between emitting a radiation dose and measuring the temperature of the calorimeter.

Claim 41 depends from claim 31 and is patentable over the non-patent literature and Gschneidner, Jr. because neither reference discloses that the calorimeter controller is configured to perform a dosimetry control method that comprises providing a dose of radiation and measuring the temperature of the calorimeter at an interval determined by the calorimeter controller based on the dose of radiation provided.

Claims 43 and 44 depend from claim 42 and are also patentable over the non-patent literature and Gschneidner, Jr. because neither reference discloses a method comprising repeating the steps of measuring an initial calorimeter temperature, irradiating the calorimeter with a dose of radiation and measuring a subsequent calorimeter temperature at an interval determined by the calorimeter controller.

The Examiner rejected claims 8, 15 and 33 under 35 U.S.C. §103(a) as being unpatentable over the Annual Book of ASTM Standards in view of Douglas-Hamilton et al. (U.S. 4,812,663). Applicant respectfully traverses this rejection.

Claim 8 depends indirectly from claim 6 and claim 33 depends indirectly from claim 31, and both claims 8 and 33 are patentable over the cited art because neither reference discloses that the calorimeter controller is configured to perform a dosimetry control method that comprises providing a dose of radiation and measuring the temperature of the calorimeter at an interval determined by the calorimeter controller based on the dose of radiation provided.

Claim 15 indirectly depends from claim 11, and is allowable over the cited art because neither reference discloses a method comprising repeating the steps of measuring an initial calorimeter temperature, irradiating the calorimeter with a dose of radiation and measuring a subsequent calorimeter temperature at an interval determined by the calorimeter controller.

Claim 40 was rejected under 35 U.S.C. §103(a) as being unpatentable over the Annual Book of ASTM Standards in view of Sliski et al. (U.S. 5,635,709). Applicant respectfully traverses this rejection.

Depending from claim 31, claim 40 is also patentable because neither the non-patent literature of Sliski disclose that the calorimeter controller is configured to perform a dosimetry control method that comprises providing a dose of radiation and measuring the temperature of the calorimeter at an interval determined by the calorimeter controller based on the dose of radiation provided.

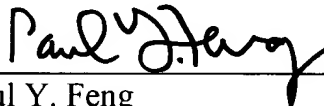
CONCLUSION

In light of the above remarks, Applicant respectfully submits that all claims are in condition for allowance. Reexamination and reconsideration of the application are respectfully requested and allowance at an early date is solicited.

Respectfully submitted,

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